

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/502,359
Source: PCT
Date Processed by STIC: 3/7/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 03/07/2005

PATENT APPLICATION: US/10/502,359

TIME: 12:50:45

Input Set : A:\033644-003.txt

Output Set: N:\CRF4\03072005\J502359.raw

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4 <110> APPLICANT: Sanchez, Luis Enjuanes
6 <120> TITLE OF INVENTION: Nucleic Acid Sequence That Includes the RNA Encapsidation
7   Signal of a Group 1 Coronavirus and its Applications
9 <130> FILE REFERENCE: 033644-003
11 <140> CURRENT APPLICATION NUMBER: US 10/502,359
12 <141> CURRENT FILING DATE: 2004-07-23
14 <150> PRIOR APPLICATION NUMBER: PCT/ES03/00038
15 <151> PRIOR FILING DATE: 2003-01-24
17 <150> PRIOR APPLICATION NUMBER: ES P200200158
18 <151> PRIOR FILING DATE: 2002-01-24
20 <160> NUMBER OF SEQ ID NOS: 26
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 550
26 <212> TYPE: DNA
27 <213> ORGANISM: Porcine transmissible gastroenteritis virus (TGEV)
29 <400> SEQUENCE: 1
30 gaaatatttg tctttctatg aaatcataga ggacaagcgt tgattatttc cattcagttt 60
31 ggcaatcact ccttggaacg gggttgagcg aacggtgcag taggggtccg tccctatttc 120
32 gtaagtgcgc tagtagtagc gagtgcggtt cgcgccgtac aacgttgggt agaccgggtt 180
33 cgtcctgtg atctccctcg ccggccgcca ggagaatgag ttccaaacaa ttcaagatcc 240
34 ttgttaatga ggactatcaa gtcaacgtgc ctagtcttcc tattcgtgac gtgttacagg 300
35 aaattaagta ctgctaccgt aatggatttg agggctatgt ttctgtacca gaatactgtc 360
36 gtgacctagt tgattgcgat cgtaaggatc actacgtcat tgggtgttctt ggtaacggag 420
37 taagtgatct taaacctgtt cttcttaccg aacctccgt catgttgcaa ggctttattg 480
38 ttagagctaa ctgcaatggc gttcttgagg actttgacct taaaattgct cgcactggca 540
39 gaggtgccat                                     550
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 31
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: GUS oligonucleotide
49 <400> SEQUENCE: 2
50 gaccacact ttgccgtaat gactgaccgc a                                     31
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 23
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: GUS 297 oligonucleotide
60 <400> SEQUENCE: 3
61 gaccacact ttgccgtaat gag                                     23

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63 <210> SEQ ID NO: 4
64 <211> LENGTH: 26
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: leader oligonucleotide
71 <400> SEQUENCE: 4
72 agattttgtc ttcggacacc aactcg                26
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 19
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: oligonucleotide 336
82 <400> SEQUENCE: 5
83 cttgatgcac taacttctg                        19
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: oligonucleotide 1.7
93 <400> SEQUENCE: 6
94 caggatcctg tagacaagtg tgtg                24
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 29
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: oligonucleotide 1.8
104 <400> SEQUENCE: 7
105 ggcattgctt ctactagctt ggttggtgc          29
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 20
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: leader oligonucleotide
115 <400> SEQUENCE: 8
116 taacctgcac tcactacccc                    20
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 19
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: leader oligonucleotide
126 <400> SEQUENCE: 9
127 tcagcatgag ctaaccacg                    19
129 <210> SEQ ID NO: 10

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130 <211> LENGTH: 24
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: leader oligonucleotide
137 <400> SEQUENCE: 10
138 ggctattatg gcccgttggt ttgg 24
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 21
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: leader oligonucleotide
148 <400> SEQUENCE: 11
149 tagattgaga gcgtgacctt g 21
151 <210> SEQ ID NO: 12
152 <211> LENGTH: 18
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: leader oligonucleotide
159 <400> SEQUENCE: 12
160 gcgcattgcaa tcacacgc 18
162 <210> SEQ ID NO: 13
163 <211> LENGTH: 20
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: leader oligonucleotide
170 <400> SEQUENCE: 13
171 tctgggtttct gctaaactcc 20
173 <210> SEQ ID NO: 14
174 <211> LENGTH: 33
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: region A1 oligonucleotide
181 <400> SEQUENCE: 14
182 gggtcgacga aatatttgct tttctatgaa atc 33
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 31
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: region A1 oligonucleotide
192 <400> SEQUENCE: 15
193 ccgtcgacat ggcacctctg acagtgcgag c 31
195 <210> SEQ ID NO: 16
196 <211> LENGTH: 37

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197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: region A2 oligonucleotide
203 <400> SEQUENCE: 16
204 gggtcgaccg ttcttgagga ctttgacctt aaaattg          37
206 <210> SEQ ID NO: 17
207 <211> LENGTH: 31
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: region A2 oligonucleotide
214 <400> SEQUENCE: 17
215 ccgtcgacca tcaccaggct taatatcacc c          31
217 <210> SEQ ID NO: 18
218 <211> LENGTH: 31
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: region A3 oligonucleotide
225 <400> SEQUENCE: 18
226 gggtcgactt tctggcaaag ttaagggtgt c          31
228 <210> SEQ ID NO: 19
229 <211> LENGTH: 36
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: region A3 oligonucleotide
236 <400> SEQUENCE: 19
237 ccgtcgacac gattgtctgg aaccacaaat gttggc          36
239 <210> SEQ ID NO: 20
240 <211> LENGTH: 34
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: region A4 oligonucleotide
247 <400> SEQUENCE: 20
248 gggtcgacgc ttttacgatt gttaaactaca agcc          34
250 <210> SEQ ID NO: 21
251 <211> LENGTH: 32
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: region A4 oligonucleotide
258 <400> SEQUENCE: 21
259 ccgtcgactt caaatgatga accaagtttt gc          32
261 <210> SEQ ID NO: 22
262 <211> LENGTH: 34
263 <212> TYPE: DNA

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264 <213> ORGANISM: Artificial Sequence
 266 <220> FEATURE:
 267 <223> OTHER INFORMATION: region B oligonucleotide
 269 <400> SEQUENCE: 22
 270 gggtcgacca aataccaact ggcacacaag atcc 34
 272 <210> SEQ ID NO: 23
 273 <211> LENGTH: 35
 274 <212> TYPE: DNA
 275 <213> ORGANISM: Artificial Sequence
 277 <220> FEATURE:
 278 <223> OTHER INFORMATION: region B oligonucleotide
 280 <400> SEQUENCE: 23
 281 ccgtcgacaa ttcttcagtg caagcaccta ctgtc 35
 283 <210> SEQ ID NO: 24
 284 <211> LENGTH: 22
 285 <212> TYPE: DNA
 286 <213> ORGANISM: Artificial Sequence
 288 <220> FEATURE:
 289 <223> OTHER INFORMATION: GUS 297 oligonucleotide
 291 <400> SEQUENCE: 24
 292 gaccacactt tgccgtaatg ag 22
 294 <210> SEQ ID NO: 25
 295 <211> LENGTH: 18
 296 <212> TYPE: DNA
 297 <213> ORGANISM: Artificial Sequence
 299 <220> FEATURE:
 300 <223> OTHER INFORMATION: 19949 oligonucleotide
 302 <400> SEQUENCE: 25
 303 cttggtggat ctggtgcc 18
 305 <210> SEQ ID NO: 26
 306 <211> LENGTH: 10
 307 <212> TYPE: DNA
 308 <213> ORGANISM: Artificial Sequence
 310 <220> FEATURE:
 311 <223> OTHER INFORMATION: GUS oligonucleotide
 313 <400> SEQUENCE: 26
 314 acgtcgacga 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/502,359

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Input Set : A:\033644-003.txt

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